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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,883	02/27/2002	Kari-Pekka Wilska	297-005893-US (C02)	1197

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PERMAN & GREEN  
425 POST ROAD  
FAIRFIELD, CT 06824

EXAMINER

DOAN, PHUOC HUU

ART UNIT PAPER NUMBER

2617

DATE MAILED: 11/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/085,883

Applicant(s)

WILSKA ET AL.

Examiner

PHUOC H. DOAN

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 10-20 and 22-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 10-20 and 22-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Continued Examination Under 37 CFR 1.114*

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 09/25/2006 has been entered.

### *Response to Arguments*

2. Applicant's arguments filed 09/25/2006 have been fully considered but they are not persuasive.

**Applicant's remarks:** Aoki has not mention of a circuit card having the elements of a camera constructed therein.

**Examiner's response:** Aoki clearly disclose of a circuit card having the elements of a camera constructed therein in Fig. 3, it shows the camera circuit components including an IC memory card (col. 3, lines 44-61). A circuit of camera 1 can be inserted by recess 23 as a connecting portion between the circuit of camera 1 and the personal computer (col. 2 through col. 3, lines 67-3).

**Applicant's remarks:** Aoki does not disclose a card slot and camera card.

**Examiner's response:** Aoki discloses the holder recess 23 is a slot corresponding to the outer shape contain camera circuit card in which the camera circuit 1 can be inserted on the personal computer (col. 2 through col. 3, lines 66-3).

**Applicant's remarks:** Aoki has no camera circuit card in the camera system, and does not operate in cooperation with a host computer.

**Examiner's response:** Aoki clearly discloses camera circuit card in the camera system, and operate in cooperation with a host computer. The computer is electrically connected to the camera through the writing/reading circuit and the interface circuit, the writing and reading of data onto and from the IC memory card can be carried out on the computer side without providing an additional data writing/reading circuit in the computer (col. 6, lines 5-15).

### ***Claim Rejections - 35 USC § 102***

3: The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 10-13, and 16-26** are rejected under 35 U.S.C. 102(e) as being anticipated by **Aoki (US Patent No: 5,438,359)**.

**As to claim 10**, Aoki teaches that a device for collecting data in the form of images in association with a host computer (col. 2 through col. 3, lines 66-3, col. 6, lines 5-15), said device comprising: a circuit card (Fig. 1, items 1, 3), constructed to be receive in a card slot of host computer (Fig. 1, items 23, 1, col. 2, lines 65-68), said image data for use by said host computer “col. 6, lines 1-18” for personal communication (col. 2, lines 50-68), data collection, and data processing, said circuit card further comprising: optics built in said circuit card for obtaining image information (col. 3, lines 44-55); an image sensor in said circuit card for obtaining image information (col. 3, lines 50-61); an image processor in said circuit card (col. 3, lines 44-61, and col. 4, lines 31-53); a memory unit in said image processor for storing obtained image information (col. 4, lines 21-53); and a processor unit in said image processor for processing obtained image information (col. 4, lines 31-45).

**As to claim 11**, Aoki teaches that wherein said memory unit comprises at least volatile and non-volatile memory (col. 3, lines 55-61).

**As to claim 12**, Aoki teaches further comprising a power supply for providing power to maintain said obtained image information in said memory unit (col. 4, lines 3-30).

**As to claim 13**, Aoki teaches that wherein said image sensor is a semiconductor camera (col. 2 through col. 3, lines 65-61).

**As to claim 16**, Aoki teaches that further comprising means for performing a character recognition task on image information obtained by said image sensor for generation a set of recognized characters (col. 3, lines 34-61).

**As to claim 17**, Aoki teaches that wherein said means for performing a character recognition task comprises a software program stored in the memory unit of the circuit card (col. 5, lines 19-47).

**As to claim 18**, Aoki teaches that further comprising means for performing a pattern recognition task on a graphical object in said image information obtained by said image sensor (col. 4, lines 21-53, and col. 5, lines 19-47).

**As to claim 19**, the claim is rejected for the same reason as set forth in claim 17.

**As to claim 20**, the claim is rejected for the same reason as set forth in claim 10.

As to claim 22, the claim is rejected for the same reason as set forth in claim 16.

As to claim 23, the claim is rejected for the same reason as set forth in claim 17.

As to claim 24, the claim is rejected for the same reason as set forth in claim 18.

As to claim 25, the claim is rejected for the same reason as set forth in claim 17.

As to claim 26, the claim is rejected for the same reason as set forth in claim 10.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aoki in view of Parulski (US Patent No: 5,475,441).

**As to claim 14**, Aoki does not teach the device according to claim 10, further adapted to fit into a card slot of a the host computer that is a PCMCIA compatible card slot.

Parulski teaches further adapted to fit into a card slot of a the host computer that is a PCMCIA compatible card slot (col. 6, lines 53-58). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a PCMCIA compatible card as taught by Parulski to the system of Aoki in order to transferring image data to a personal computer.

**As to claim 15**, the claim is rejected for the same reason as set forth in claim 14.

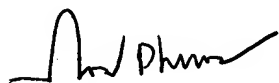
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC H. DOAN whose telephone number is 571-272-7920. The examiner can normally be reached on 9:30 AM - 6:30 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, GEORGE ENG can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Phuoc Doan  
10/20/06



GEORGE ENG  
SUPERVISORY PATENT EXAMINER